

A B S T R A C T

AN OPTICAL IMAGING DEVICE SUITABLE FOR FORMING
IMAGES OF FINGERPRINTS

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An optical imaging device (1) for forming optical images of fingerprints of a finger, the device comprising: an optical plate (2) having a portion (5) at one end (A) of a main face (3) that is provided for
10 illuminating the finger through the plate (2), the reflected light beam propagating with multiple reflections inside the plate to the other end (B) thereof, which end presents an inclined end face (A); a focusing lens (9) facing the end face with the lens
15 having its axis situated in the midplane of the plate; and a mirror (10) for directing the light beam leaving the end face (8) onto the axis of the lens (9).

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